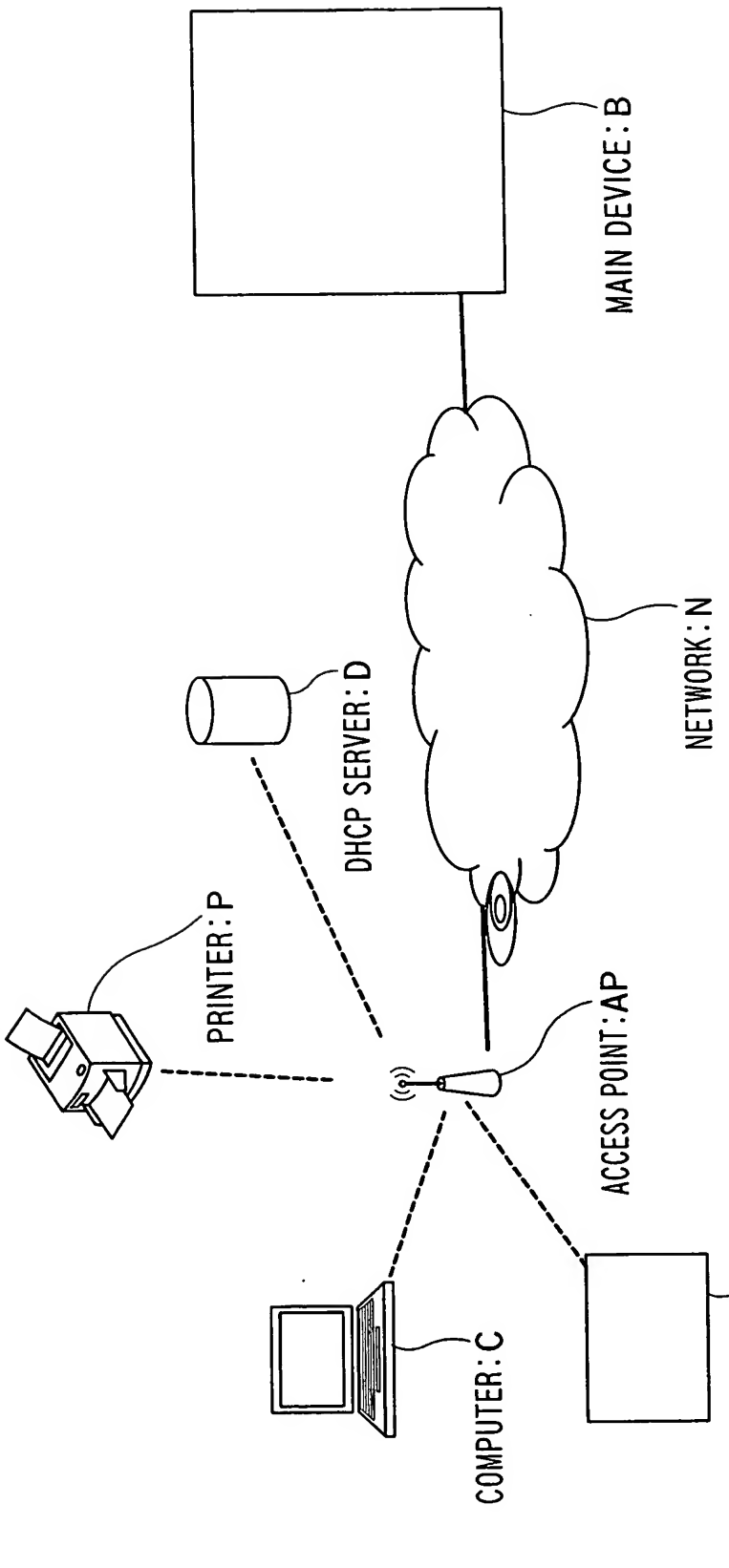
MAIN DEVICE: B
NETWORK: N
DHCP SERVER: D
PRINTER: P
ACCESS POINT: AP
COMPUTER: C
TERMINAL DEVICE: T

FIG. 1

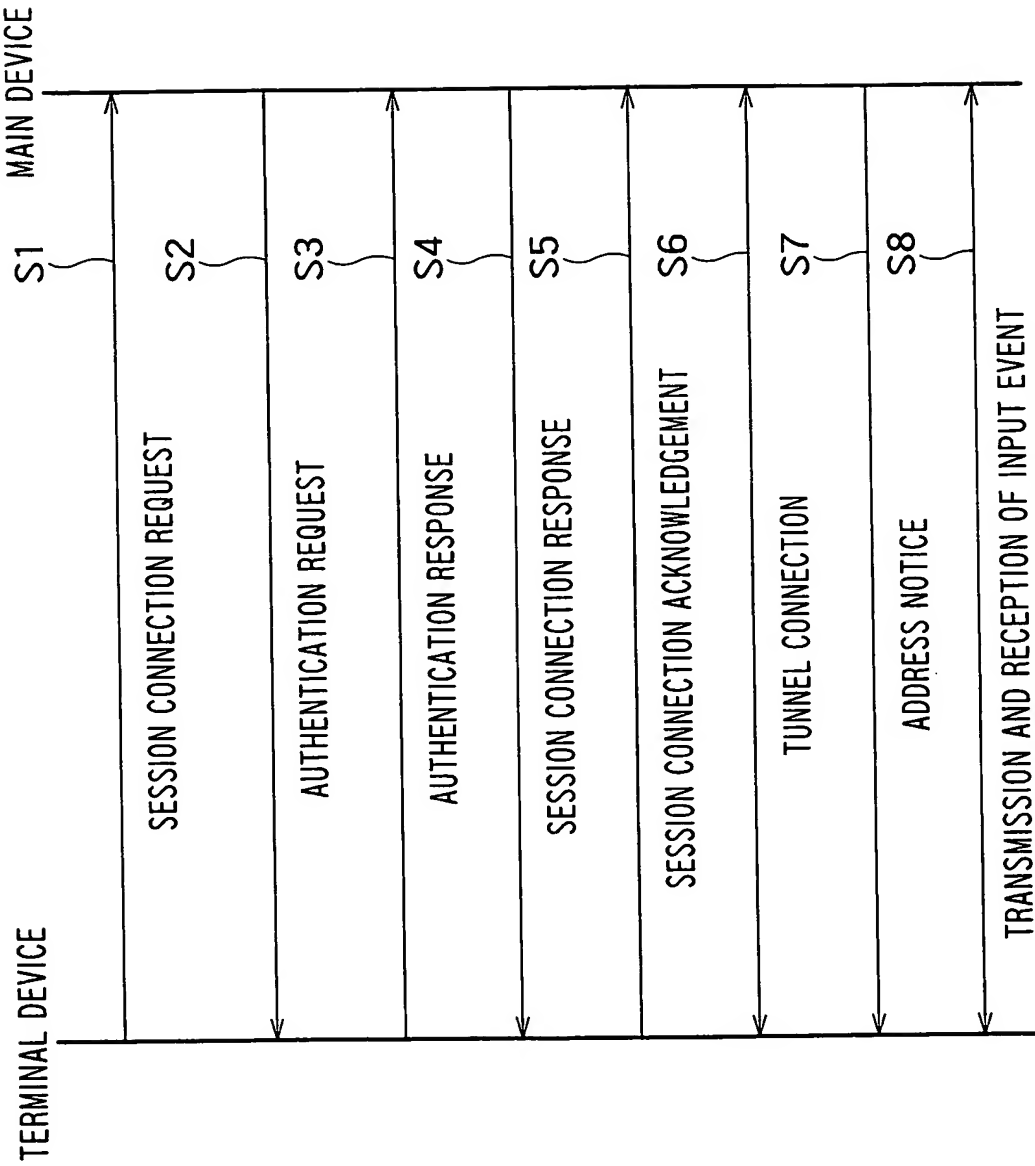
MAIN DEVICE
TERMINAL DEVICE
S1
SESSION CONNECTION REQUEST
S2
AUTHENTICATION REQUEST
S3
AUTHENTICATION RESPONSE
S4
SESSION CONNECTION RESPONSE
S5
SESSION CONNECTION ACKNOWLEDGEMENT
S6
TUNNEL CONNECTION
S7
ADDRESS NOTICE
S8
TRANSMISSION AND RECEPTION OF INPUT EVENT INFORMATION AND OPERATION SCREEN DATA

FIG. 2

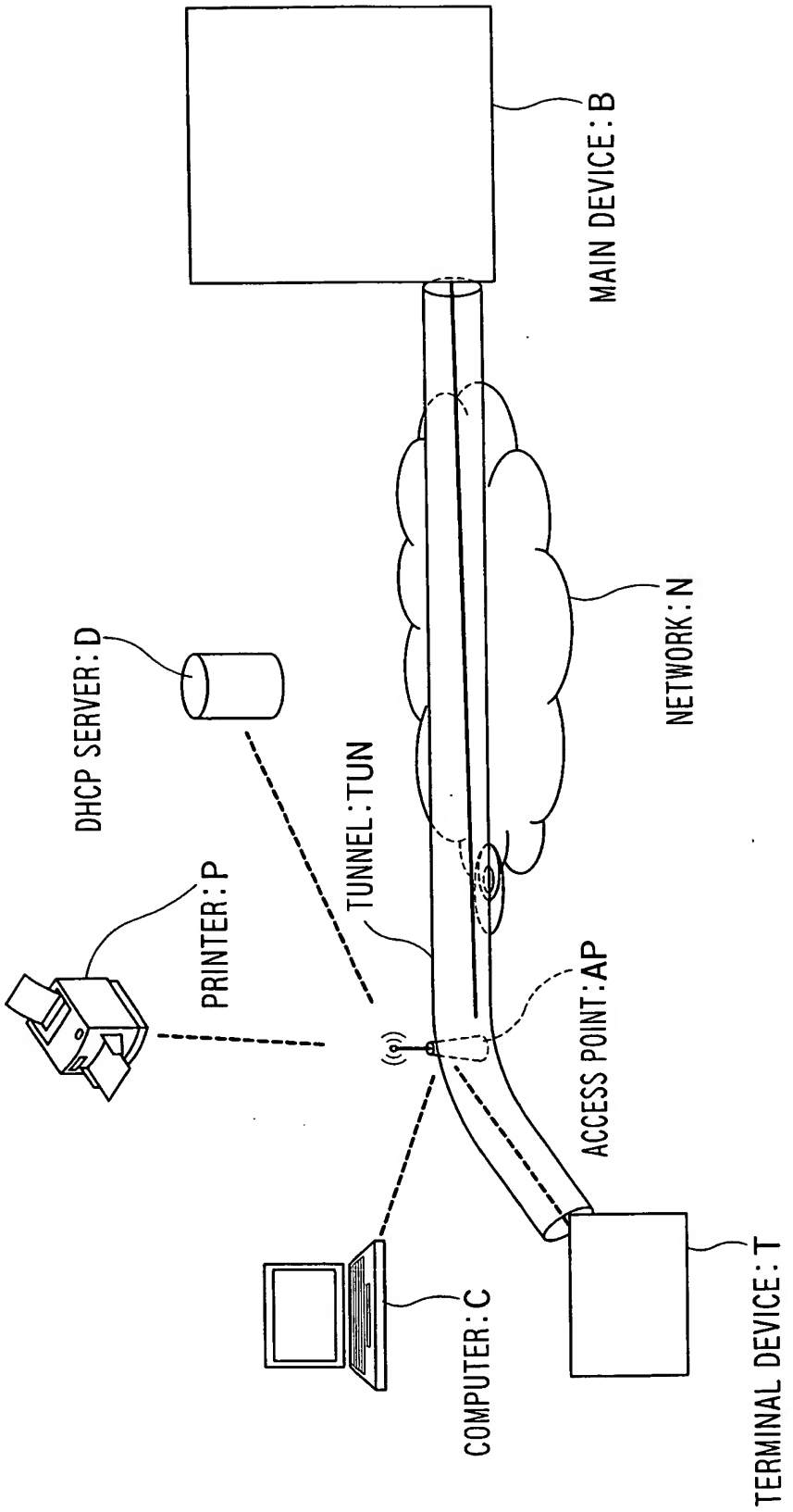
MAIN DEVICE: B
NETWORK: N
DHCP SERVER: D
TUNNEL: TUN
PRINTER: P
ACCESS POINT: AP
COMPUTER: C
TERMINAL DEVICE: T

FIG. 3

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	TERMINAL DEVICE ADDRESS	USER IDENTIFIER	COMMUNICATION PARAMETERS

FIG. 4

THE NUMBER OF ENTRIES	PROTOCOL IDENTIFIER	CODING RATE	SCREEN SIZE

FIG. 5

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	MAIN DEVICE ADDRESS	AUTHENTICATION ALGORITHM IDENTIFIER	CHALLENGE PARAMETERS

FIG. 6

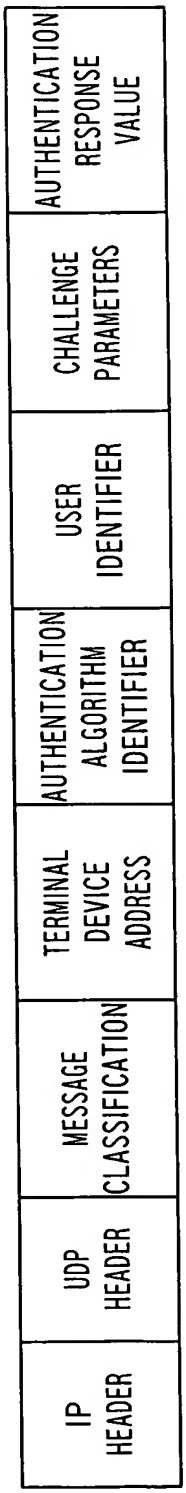
IP HEADER
UDP HEADER
MESSAGE CLASSIFICATION
TERMINAL DEVICE ADDRESS
AUTHENTICATION ALGORITHM IDENTIFIER
USER IDENTIFIER
CHALLENGE PARAMETERS
AUTHENTICATION RESPONSE VALUE

FIG. 7

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	USER IDENTIFIER

FIG. 8

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	MAIN DEVICE ADDRESS	MAIN DEVICE SESSION PORT NUMBER	COMMUNICATION PARAMETERS

FIG. 9

IP HEADER	UDP HEADER	MESSAGE CLASSIFICATION	TERMINAL DEVICE ADDRESS	TERMINAL DEVICE SESSION PORT NUMBER	COMMUNICATION PARAMETERS

FIG. 10

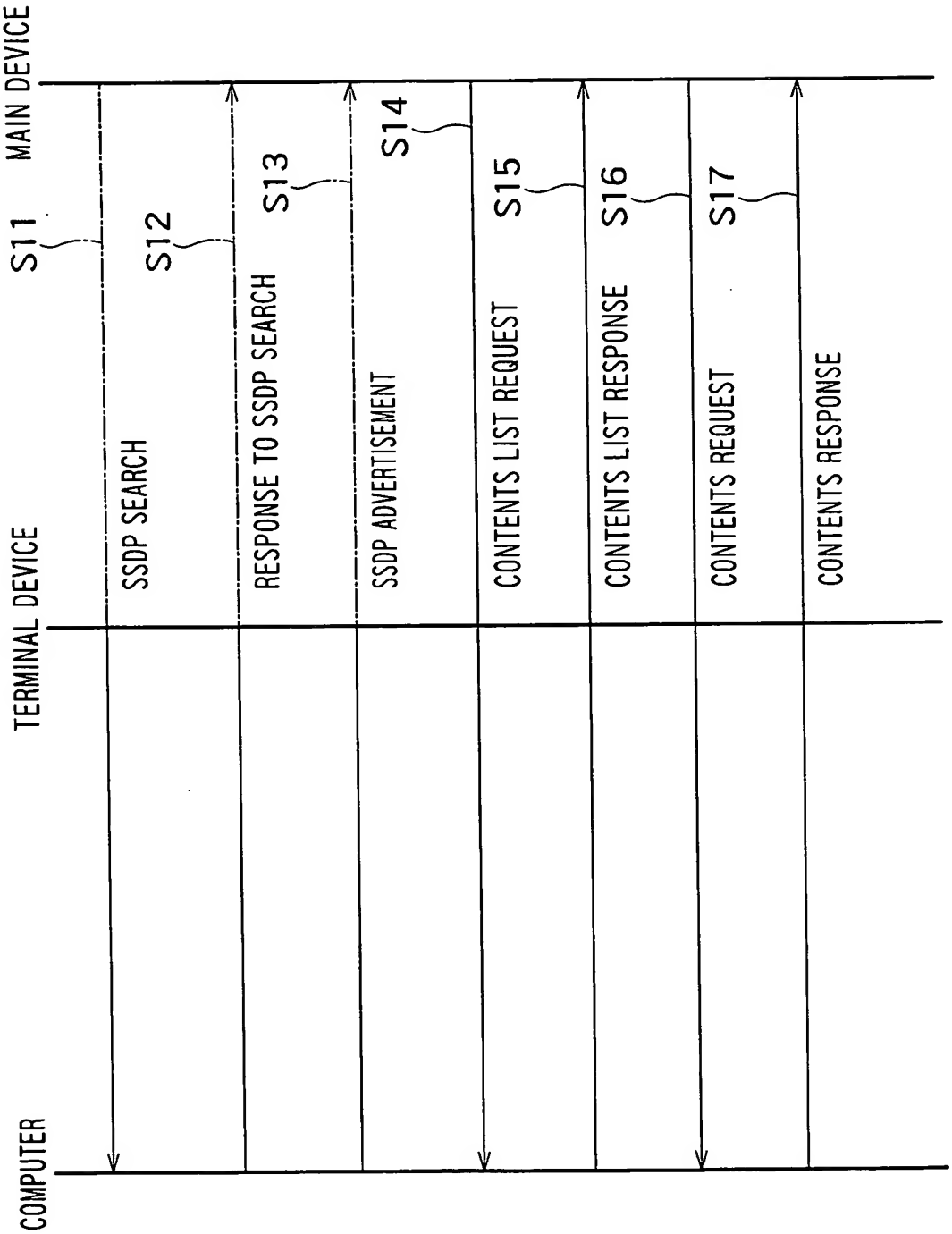
MAIN DEVICE
TERMINAL DEVICE
COMPUTER
S11
S12
S13
S14
S15
S16
S17
SSDP SEARCH
RESPONSE TO SSDP SEARCH
SSDP ADVERTISEMENT
CONTENTS LIST REQUEST
CONTENTS LIST RESPONSE
CONTENTS REQUEST
CONTENTS RESPONSE

FIG. 11

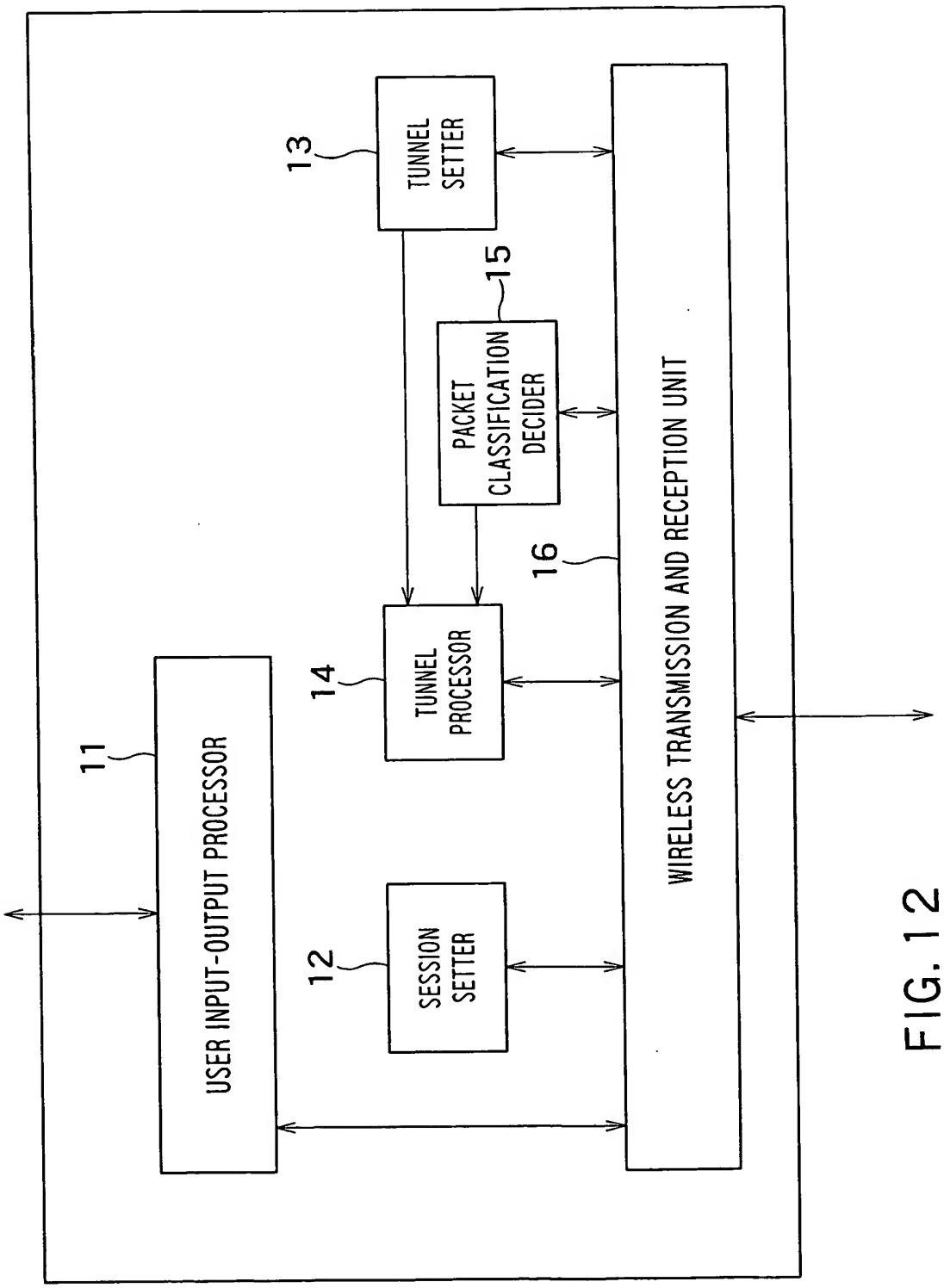
USER INPUT-OUTPUT PROCESSOR
11
SESSION SETTER
12
TUNNEL SETTER
13
TUNNEL PROCESSOR
14
PACKET CLASSIFICATION DECIDER
15
16
WIRELESS TRANSMISSION AND RECEPTION UNIT

FIG. 12

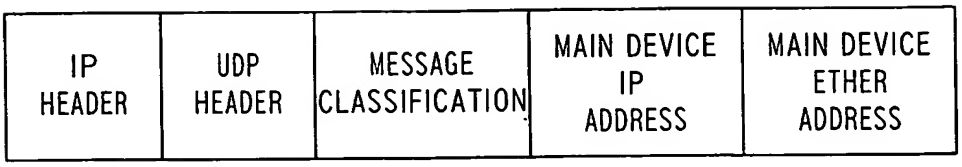
IP HEADER
UDP HEADER
MESSAGE CLASSIFICATION
MAIN DEVICE IP ADDRESS
MAIN DEVICE ETHER ADDRESS

FIG. 13

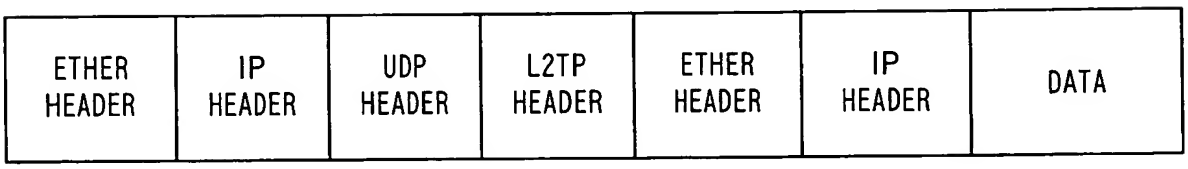
ETHER HEADER
IP HEADER
UDP HEADER
L2TP HEADER
ETHER HEADER
IP HEADER
DATA

FIG. 14

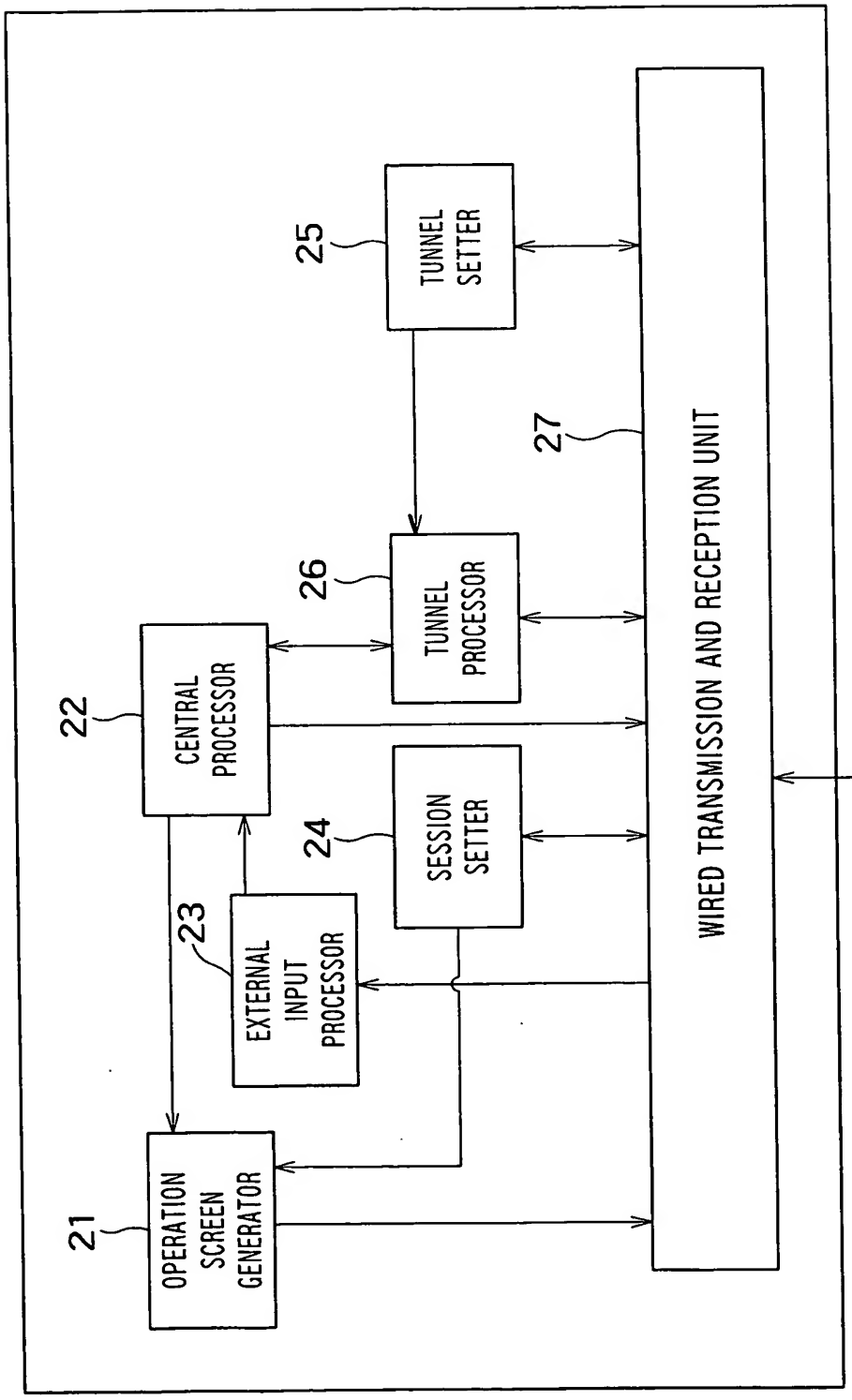
25
TUNNEL SETTER
27
WIRED TRANSMISSION AND RECEPTION UNIT
26
TUNNEL PROCESSOR
22
CENTRAL PROCESSOR
24
SESSION SETTER
23
EXTERNAL INPUT PROCESSOR
21
OPERATION SCREEN GENERATOR

FIG. 15

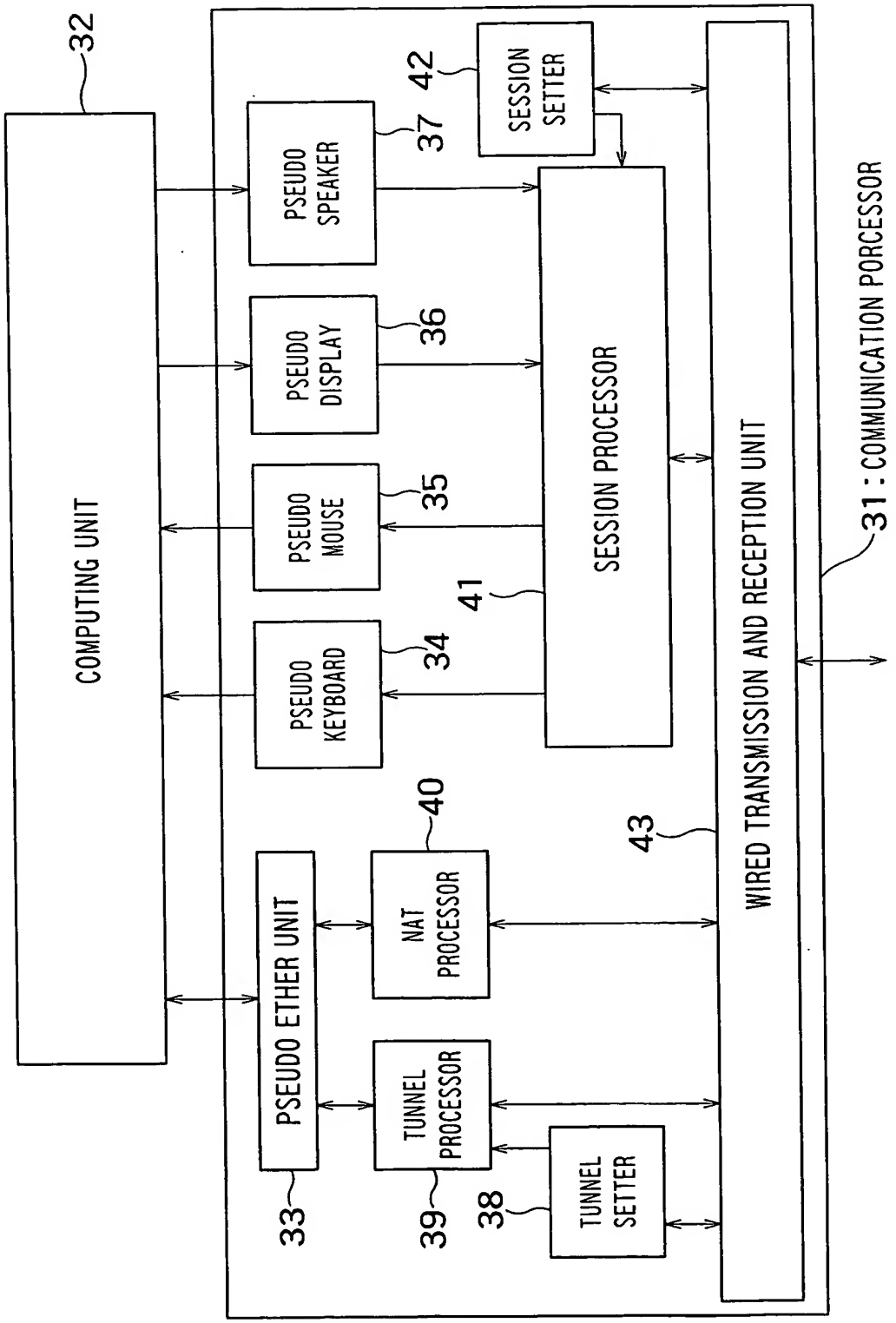
32
COMPUTING UNIT
PSEUDO SPEAKER
37
PSEUDO DISPLAY
36
PSEUDO MOUSE
35
PSEUDO KEYBOARD
34
41
SESSION SETTER
42
SESSION PROCESSOR
WIRED TRANSMISSION AND RECEPTION UNIT
31 : COMMUNICATION PORCESSOR
43
40
NAT PROCESSOR
PSEUDO ETHER UNIT
33
TUNNEL PROCESSOR
39
38
TUNNEL SETTER

FIG. 16

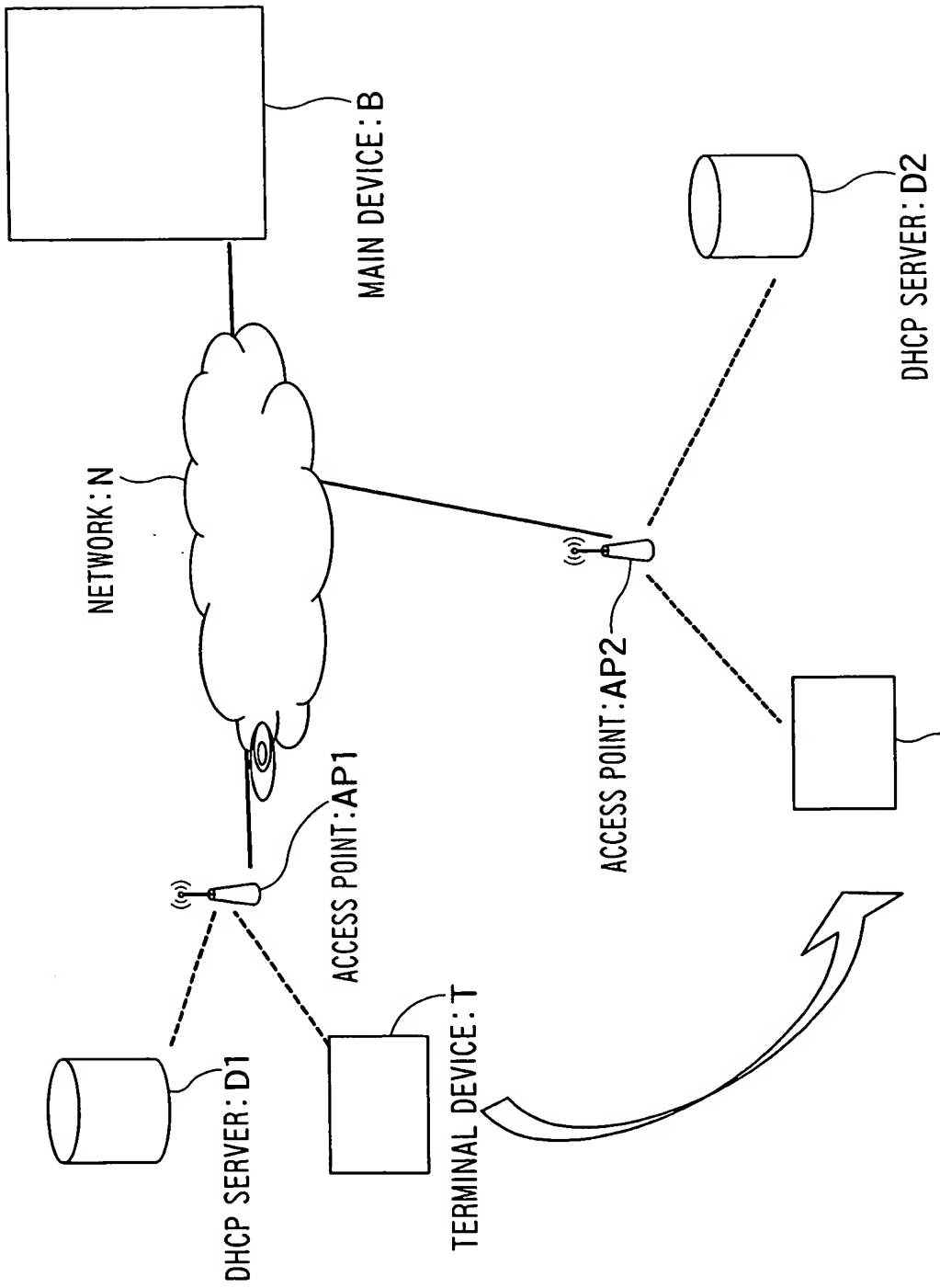
MAIN DEVICE: B
NETWORK: N
ACCESS POINT: AP1
ACCESS POINT: AP2
DHCP SERVER: D1
DHCP SERVER: D2
TERMINAL DEVICE: T
TERMINAL DEVICE: T

FIG. 17

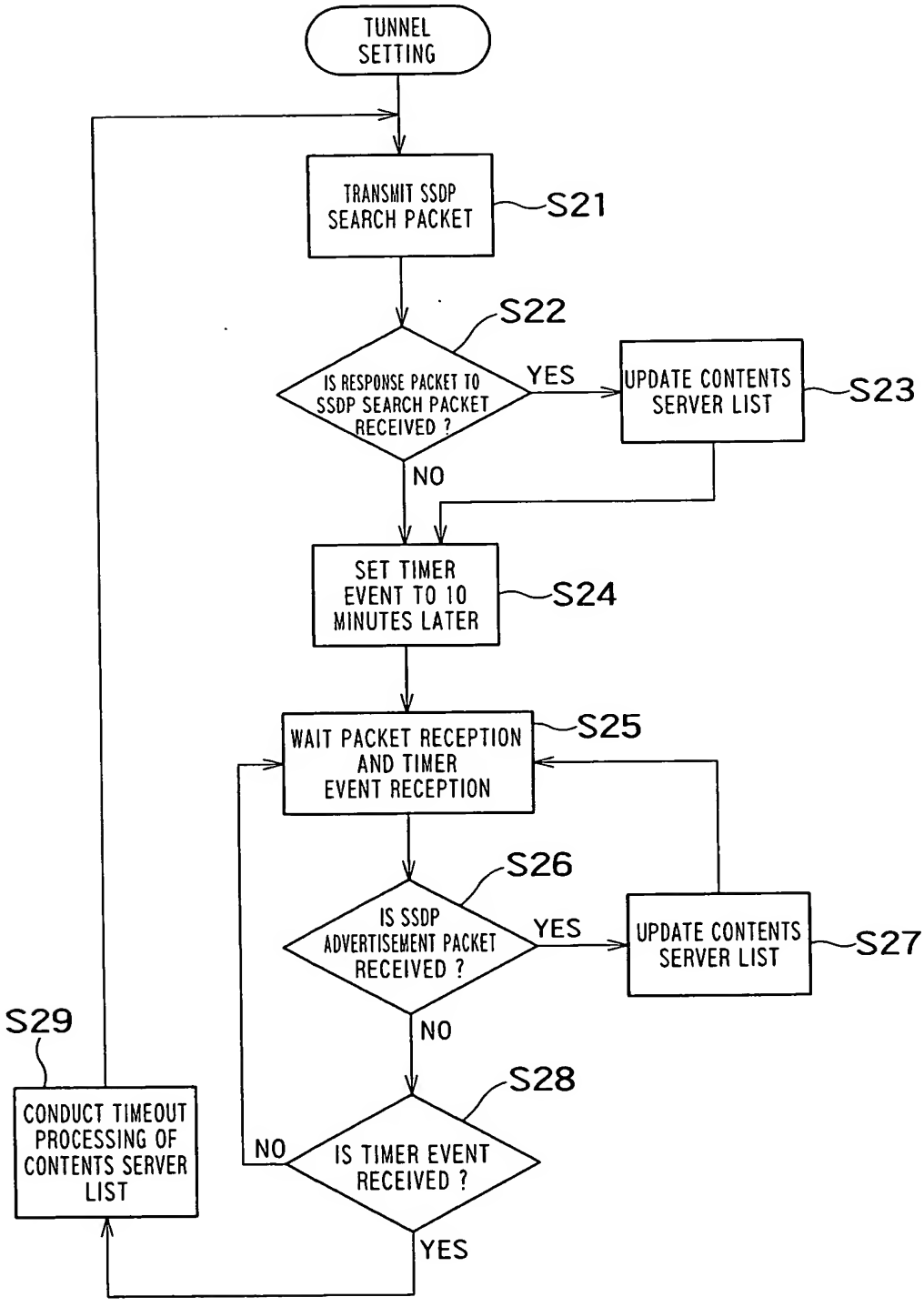
TUNNEL SETTING
TRANSMIT SSDP SEARCH PACKET
S21
S22
IS RESPONSE PACKET TO SSDP SEARCH PACKET RECEIVED ?
YES
UPDATE CONTENTS SERVER LIST
S23
NO
SET TIMER EVENT TO 10 MINUTES LATER
S24
WAIT PACKET RECEPTION AND TIMER EVENT RECEPTION
S25
S26
IS SSDP ADVERTISEMENT PACKET RECEIVED ?
YES
UPDATE CONTENTS SERVER LIST
S27
NO
S28
IS TIMER EVENT RECEIVED ?
NO
YES
S29
CONDUCT TIMEOUT PROCESSING OF CONTENTS SERVER LIST

FIG. 18

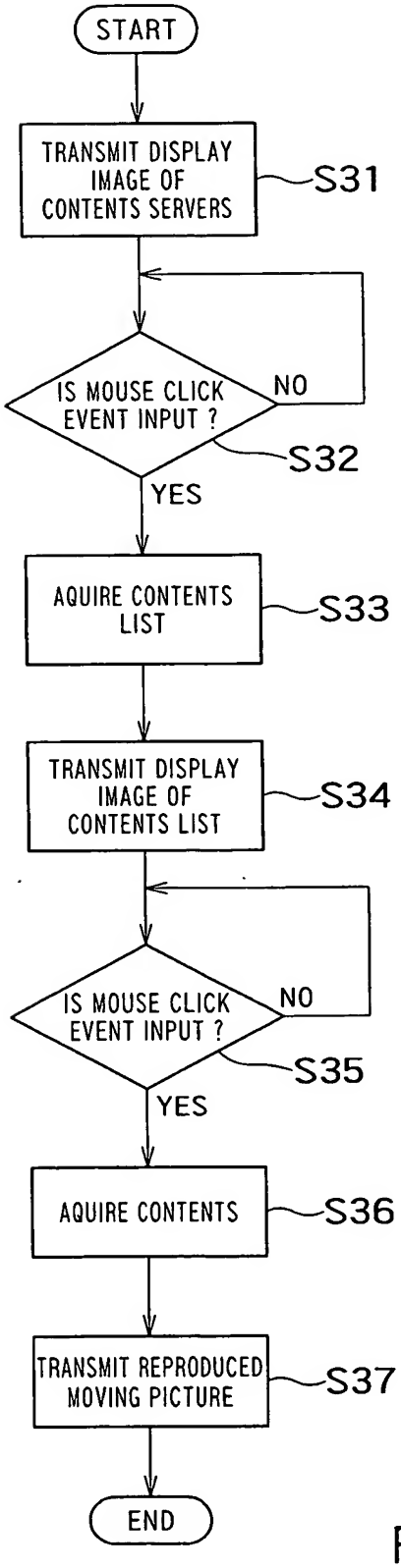
START
TRANSMIT DISPLAY IMAGE OF CONTENTS SERVERS
S31
IS MOUSE CLICK EVENT INPUT ?
NO
S32
YES
AQUIRE CONTENTS LIST
S33
TRANSMIT DISPLAY IMAGE OF CONTENTS LIST
S34
IS MOUSE CLICK EVENT INPUT ?
NO
S35
YES
AQUIRE CONTENTS
S36
TRANSMIT REPRODUCED MOVING PICTURE
S37
END

FIG. 19

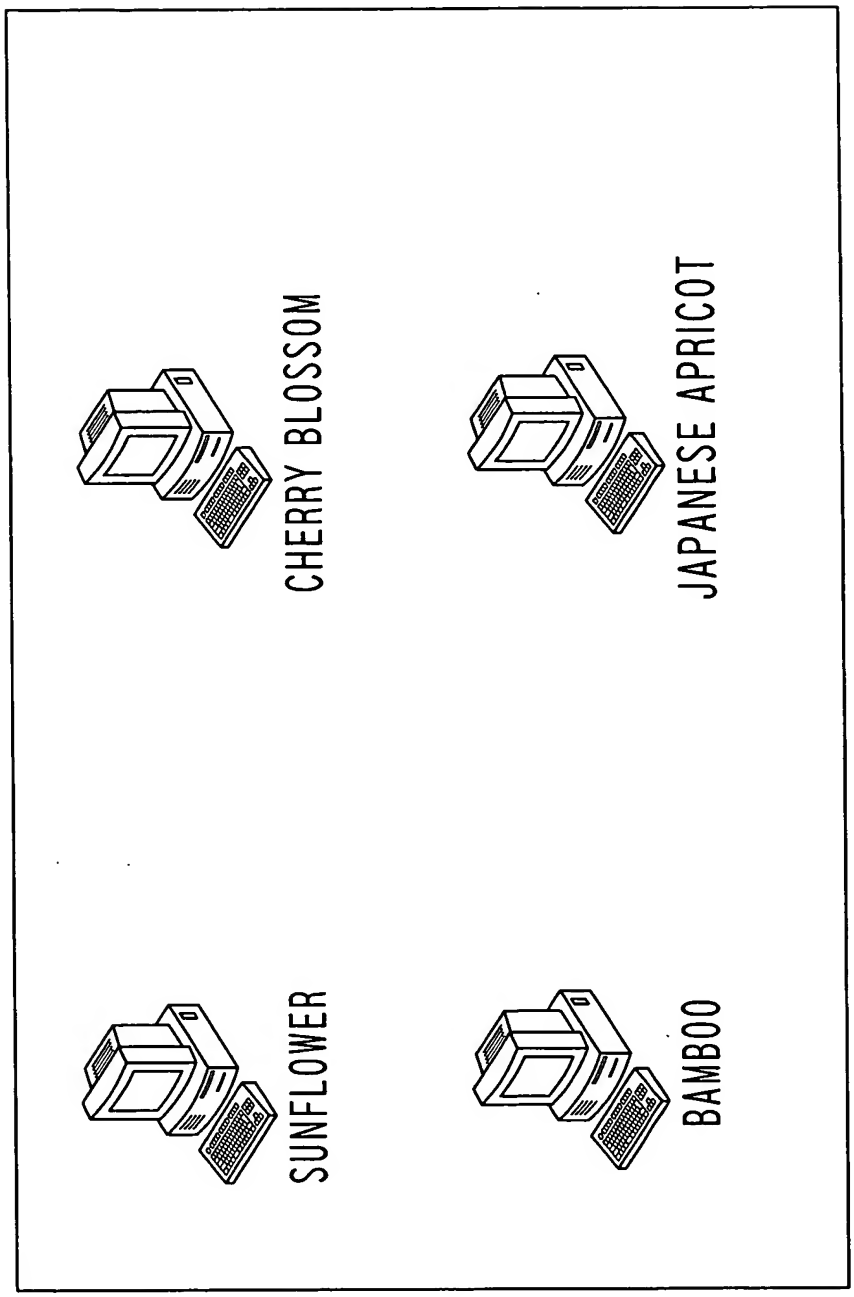

FIG. 20

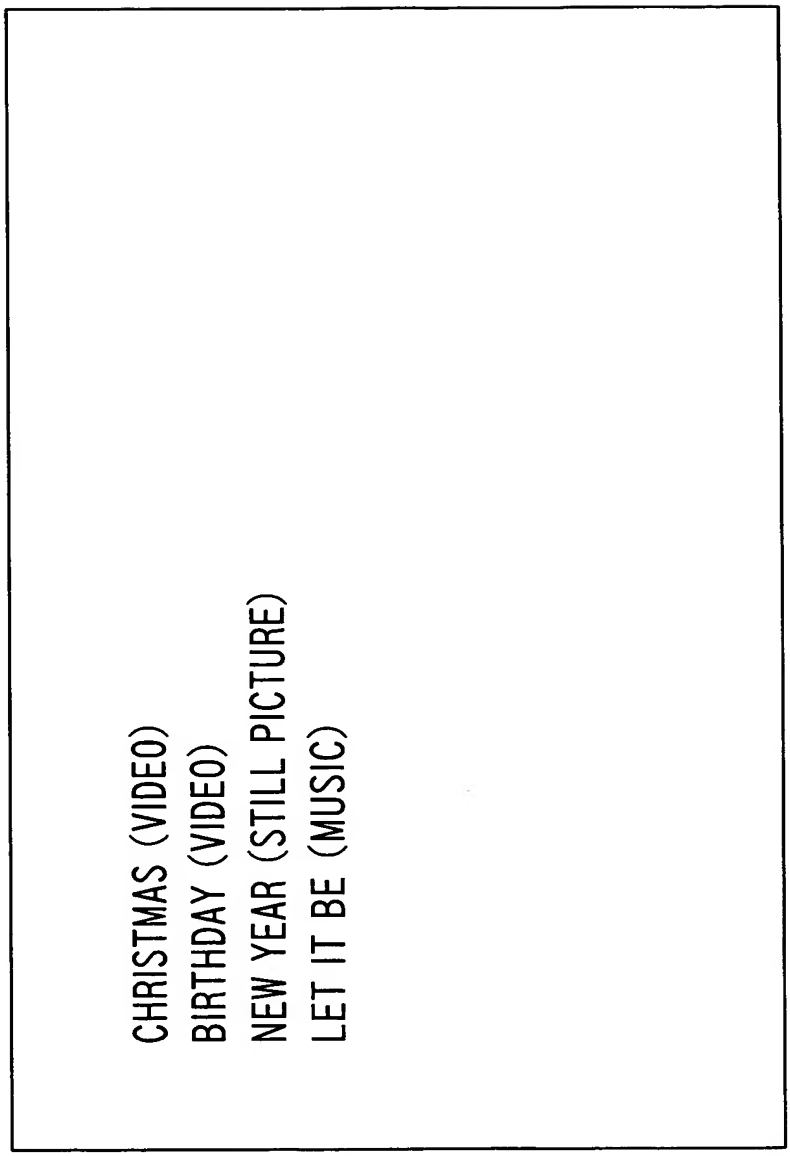
CHRISTMAS (VIDEO)
BIRTHDAY (VIDEO)
NEW YEAR (STILL PICTURE)
LET IT BE (MUSIC)

FIG. 21